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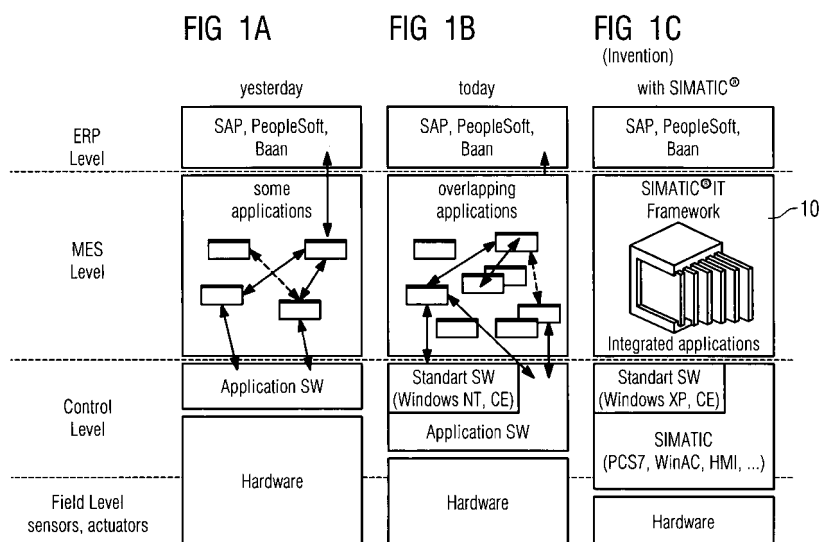
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(54) **Method, system and apparatus for an industrial framework based on integrated applications via adapters**

(57) The Industrial Framework universally integrates applications. An application domain model is mapped to the Industrial Framework unified model, containing external application data, functions and objects (having data and functions). The published data, functions and objects of the application domain model are accessed by any service and integrated application, thereby universally integrating applications to the Industrial Framework. Specific communication protocols used by different types of applications are mapped to generic Framework protocols, thereby allowing higher-level communication between any involved applications. A toolkit supports the development of Adapters that are created to universally

integrate any of a predetermined type of application to an Industrial Framework. Within this toolkit, there is provided libraries having reusable starter source files for a new Adapter in which coding common to the Applications is previously provided. Applications are universally integrated into an Industrial Framework. A hierarchical object model of an Adapter with method calls is defined and published. The hierarchical object model includes data and at least one function of an external application coupled to the Industrial Framework. The function and data, and thus, objects in an object oriented domain are accessed from another application coupled to the Industrial Framework.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 03 01 5475

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	SHARMA, STEARNS, NG: "J2EE Connector Architecture and Enterprise Application Integration" December 2001 (2001-12), ADDISON WESLEY , XP002445925 * figure 2.4 * * figure 2.5 * * page 1 - page 23 * * page 25 - page 43 * * page 161 - page 167 * * page 297 - page 313 *	1-21	INV. G06F9/44 G06F9/46
X	ANONYMOUS: "Dynamically exposing COM interfaces using dynamic aggregation" RESEARCH DISCLOSURE, MASON PUBLICATIONS, HAMPSHIRE, GB, vol. 429, no. 36, January 2000 (2000-01), XP007125321 ISSN: 0374-4353 * abstract *	6	
A	US 2002/059358 A1 (KANAMORI ATSUSHI [US]) 16 May 2002 (2002-05-16) * abstract *	6	TECHNICAL FIELDS SEARCHED (IPC) G06F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 8 August 2007	Examiner Weidmann, Matthias
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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US 2002059358	A1	16-05-2002	NONE

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